### TAB A

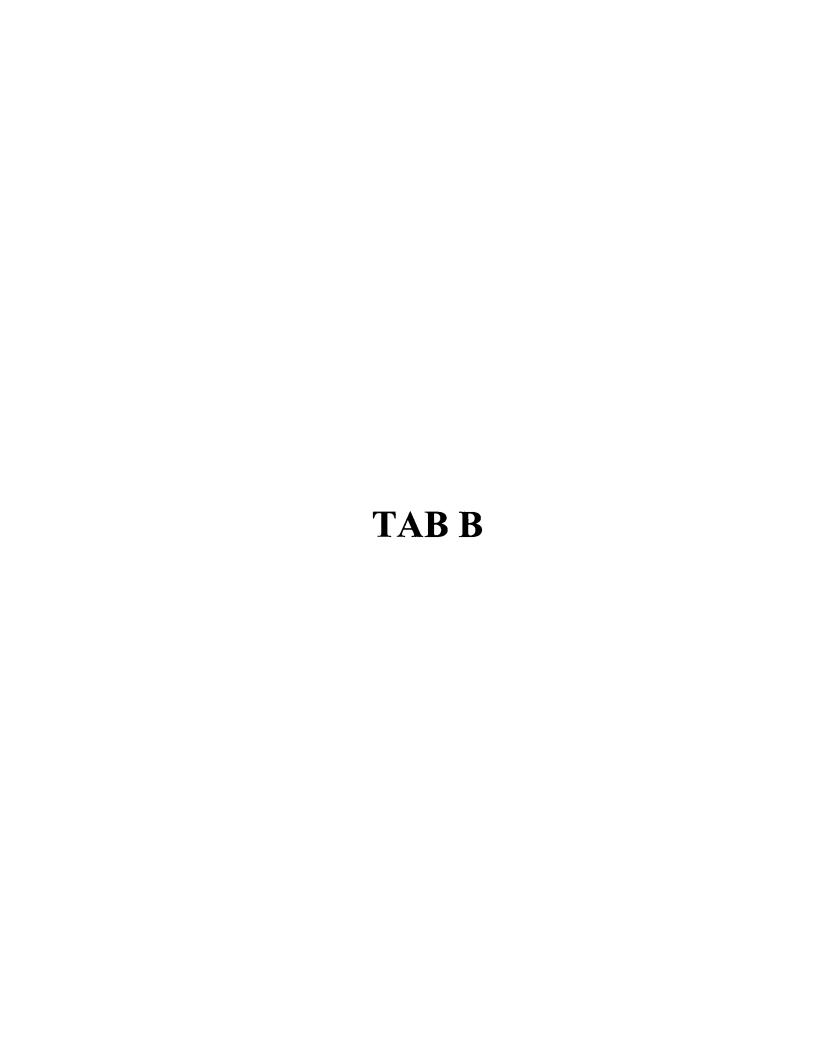
# Bci-2 ANTISENSE PROTOCOLS **BEFORE** THE 09/709,170 APPLICATION PRIORITY DATE April 26, 2006

2 protein and stable disease. 8 of 9 patients had stable disease or progressive disease on the study (fittle or no therapeutic benefit). A correlation between bcl-2 reduction and tumor response is not disclosed or suggested.  Waters 1999 ASCO IV Infusion 14 Patient bcl-2 levels not reported.  Waters 1999 ASCO SC Infusion 14 Patient bcl-2 protein levels measured in tumor samples of 13 patients, and after treatment was reduced in 5 patients. Conclains no disclosure suggesting a correlation between bcl-2 reduction and tumor response.  Jansen 1999 ASCO IV Infusion 14-21 At 4.1 mg/kg/d, bcl-2 protein levels correlation and tumor response.  Chen 2000 ASCO Cont. Infusion 14-21 At 4.1 mg/kg/d, bcl-2 protein expression decreased within one week, peak effect at 8-15 days. Conclusion. G3139 can decrease bcl-2 protein expression. Contains no disclosure suggesting a correlation between bcl-2 reduction and tumor response.  Chen 2000 ASCO Cont. Infusion 21 bcl-2 downregulation at doses 2 mg/kg/day. At 3 mg/kg/d. maximum bcl-2 reduction and tumor response.  Chi 2000 ASCO Cont. Infusion 21 bcl-2 downregulation at doses 2 mg/kg/day. At 3 mg/kg/d. maximum bcl-2 reduction and tumor response.  Chi 2000 ASCO Cont. Infusion 31 bcl-2 downregulated, no disclosure of results in abstract.  Contains no disclosure suggesting a correlation between bcl-2 reduction and tumor response.  Chi 2000 ASCO Cont. Infusion 4 bcl-2 expression evaluated, no disclosure of results in abstract.  Journal disclosure suggesting a correlation bcs. 2 brotein reduced in 2 patients. 2 but had only 10% ceduction in bcl-2 brotein reduced in 8 bcl 2 patients at 8 mg/kg/d at day 8.  Patient 23 hcs. 4 wth bcl-2 bc/s reduction in bcl-2 brotein reduced in 8 bcl 2 britents 20 but had only 10% ceduction in bcl-2 brotein bcl 2000 bcl 2 but who are not listed among those bcl 2 but who are not listed among those 2 bcl 2000 bcl b
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See Tables 4 & 5. Patient 20's reduction in bcl-2 was less than half that c	19 (15% vs. 36%) but both had stable disease. Patient 12 (32%) had a both
14	
SC Infusion	
2000 J. Clin.	Oncol. (May)
Waters	

See Tables 4 & 5. Patient 20's reduction in bcl-2 was less than half that of Patient 19 (15% vs. 36%) but both had stable disease. Patient 12 (32%) had a bcl-2 reduction comparable to Patient 19 (36%) but had progressive disease rather than stable disease. The largest bcl-2 reduction was Patient 6 (47%), who only had a minor response. Of the three patients who had bcl-2 analysis at day 7, Patient 11 and Patient 12 had dramatically different therapeutic outcomes (stable disease vs. progressive disease) despite comparable reductions in bcl-2 expression (24% and 36% respectively). 9 of 21 patients had no change in bcl-2 levels in any tissue analysed. Demonstrates there is no reliable correlation between reduction in bcl-2 expression and tumor response.



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AUTHOR	DATE	ROUTE	DAYS	COMMENTS
de Bono	2001 ASCO	Cont. IV Infusion	5	Marked downregulation of bcl-2 by day 5. Contains no disclosure suggesting a correlation between downregulation of bcl-2 and tumor response.
Ochoa	2001 ASCO	Cont. IV Infusion	-1-8 -	Marked downregulation of bcl-2 by day 6 at 5 mg/kg/d. Contains no disclosure suggesting a correlation between downregulation of bcl-2 and tumor response.
Jansen	2001 ASCO	Cont. IV Infusion	5	bcl-2 downregulated by day 4. Contains no disclosure suggesting a correlation between downregulation of bcl-2 and tumor response.
Morris	2002 Clin. Cancer Res.	Cont. Infusion	14 or 21	bcl-2 protein levels are shown for a single patient, and did not decline until day 15 of treatment. No major antitumor responses were observed - 37% had stable disease during treatment and 57% progressed (pg. 681, col. 2, "Clinical Effects"). "These studies are ongoing, as are determination of the association between clinical effects, dose and the timing and degre of bcl-2 protein reduction." (pg. 682, last sentence)
Rudin	2003 ASCO 2004 J Clin Oncol	Cont. IV Infusion	8	No evident suppression of bcl-2 in peripheral blood mononuclear cells on day 6 of treatment (pg. 1114, Analysis of bcl-2 Suppression"). These data are consistent with prior clinical reports (pg. 1115, first column - see Waters - J Clin Onc 2000 and Morris - Clin Cancer Res 2002, above; Chi - Clin Cancer Res 2001 and Marcucci - Blood 2003, below).
Demidov	2003 ASCO	Cont. IV Infusion	7	Analysis of bcl-2 levels not disclosed.
Esteva	2004 ASCO	Cont. Infusion	5	Analysis of bcl-2 levels not disclosed,
Marshall	2004 Ann Oncol	Cont. Infusion	21 5	Dose limiting toxicities prevented dose escalation beyond 4 mg/kg/day in 21 day infusion protocol. In 5 day infusion protocol even highest doses were tolerated without dose limiting toxicity. Shortened infusion had less cumulative toxicities and still allowed similar total delivery as the longer infusion.

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Latest Priority Date of Genta Patent Application - 10 November 2000 - (Dark Line)

ASCO Annual Meetings are held in late May/early June

Conclusions: Prolonged infusion was the standard protocol prior to Nov. 2000.

Following filing of the Genta patent application, the field quickly adopted the short infusion protocol of the invention

because it allowed higher doses to be tolerated.

Treatment of cancer does not necessarily result from decreases in bcl-2 levels.

Therefore, observation of bcl-2 downregulation does not indicate cancer is inherently treated.